SUPPORTING INFECTIOUS DISEASE RESEARCH

Clostridium difficile, Strain P15

Catalog No. NR-32892

Product Description: Clostridium difficile (C. difficile), strain P15 is a toxigenic strain obtained in 2005 from fecal material of a human patient with a C. difficile infection in western Pennsylvania, USA.

Lot¹: 62082892

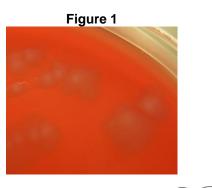
Manufacturing Date: 110CT2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive rods	Gram-positive rods
Colony morphology ²	Report results	Irregular, flat, curled, rough and gray (Figure 1)
Hemolysis ²	Report results	Non-hemolytic
Biochemical tests:		
Remel RapID™ ANA II Panel	Consistent with C. difficile	Consistent with C. difficile
Esculin hydrolysis	Positive	Positive
Gelatin hydrolysis	Positive	Positive
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	Consistent with C. difficile	Consistent with <i>C. difficile</i> ³
Viability (post-freeze) ²	Growth	Growth

¹NR-32892 was produced by inoculation of the deposited material into Modified Reinforced Clostridial medium and incubated for 46 hours at 37°C in an anaerobic atmosphere (> 0.5% O₂; Remel[™] Anaero Pack-Anaero[™] R681001). The material from the initial growth was passaged once in Modified Reinforced Clostridial medium at 37°C for 46 hours in an anaerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

²44 hours at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

³≥ 99% identical to GenBank: AVLV01000029 (C. difficile, strain P15)



Date: 04 JUN 2014

Signature: Jack	Conde	
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Title:

Technical Manager, BEI Authentication or designee

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